

FIG. 1

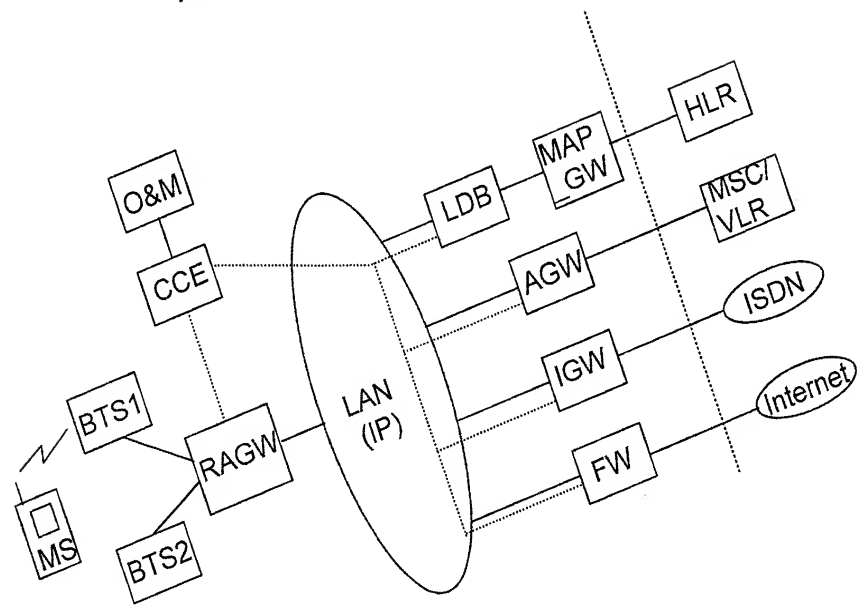


FIG. 2

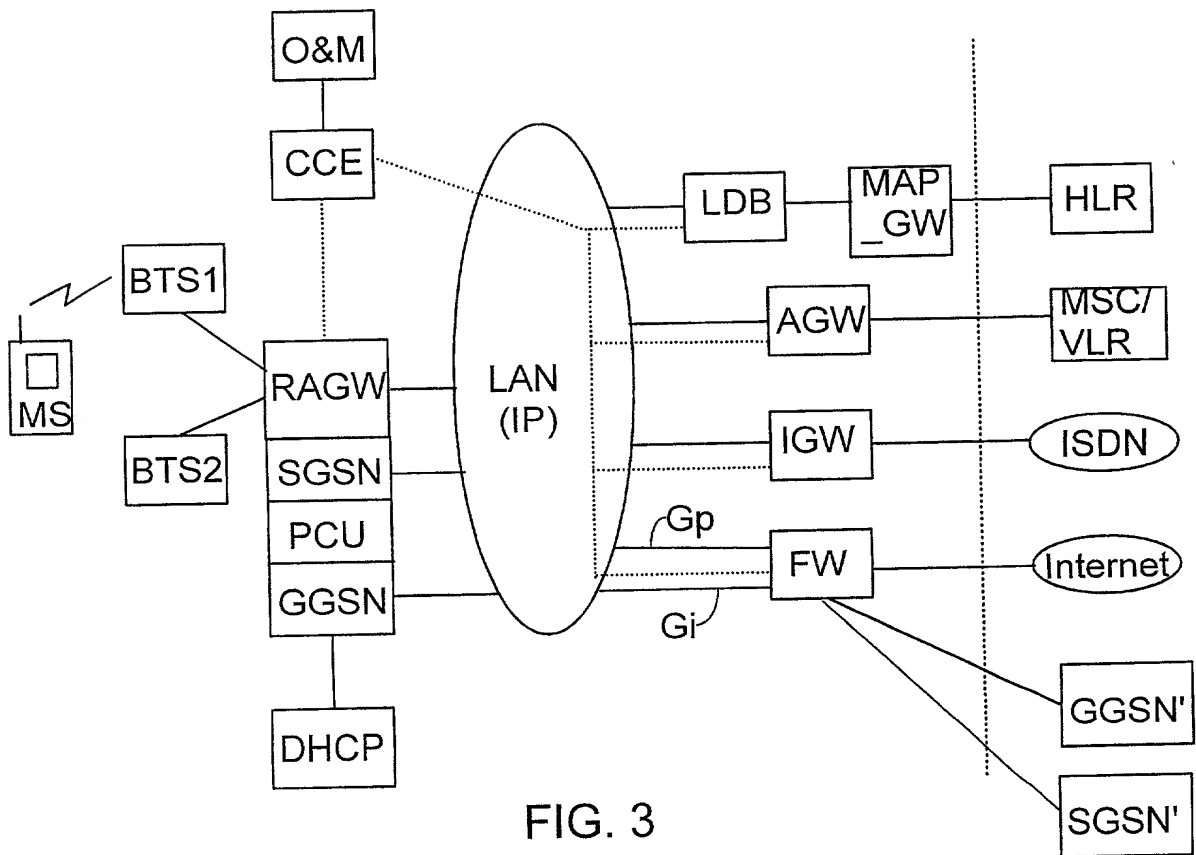


FIG. 3

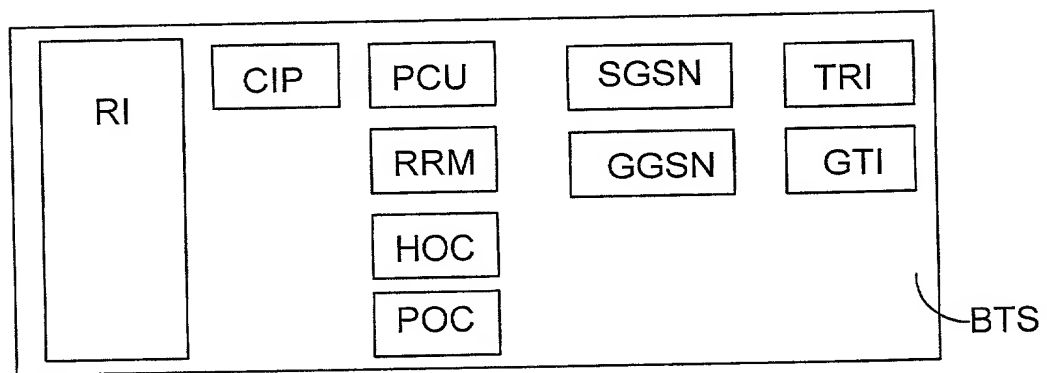


FIG. 4a

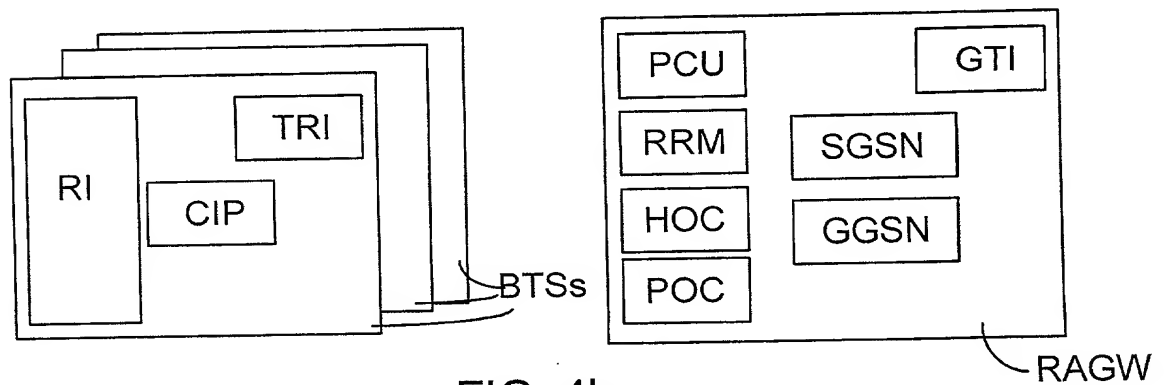


FIG. 4b

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sequenceDiagram
    participant MS
    participant RAGW-SGSN
    participant CCE
    participant LDB
    participant MAP-GW
    participant HLR
    participant AGW
    participant MSC_VLR as MSC/VLR

    MS->>RAGW-SGSN: 502
    RAGW-SGSN->>LDB: 504
    LDB->>MAP-GW: 506
    MAP-GW->>HLR: 508
    HLR->>MAP-GW: 510
    MAP-GW->>LDB: 512
    LDB->>RAGW-SGSN: 514
    RAGW-SGSN->>MS: 516
    RAGW-SGSN->>MS: 518
    RAGW-SGSN->>MS: 520
    RAGW-SGSN->>MS: 522
    RAGW-SGSN->>CCE: 524
    CCE->>MAP-GW: 526
    MAP-GW->>HLR: 528
    HLR->>MAP-GW: 530
    MAP-GW->>CCE: 532
    CCE->>RAGW-SGSN: 534
    RAGW-SGSN->>CCE: 536
    CCE->>MAP-GW: 538
    MAP-GW->>HLR: 540
    HLR->>MAP-GW: 542
    MAP-GW->>CCE: 544
    CCE->>RAGW-SGSN: 546
    RAGW-SGSN->>CCE: 548
    CCE->>MAP-GW: 550
    MAP-GW->>HLR: 552
    HLR->>MAP-GW: 554
    MAP-GW->>CCE: 556
    CCE->>RAGW-SGSN: 558
    RAGW-SGSN->>CCE: 560
    CCE->>LDB: 562
    LDB->>MAP-GW: 564
    MAP-GW->>AGW: 566
    AGW->>MSC_VLR: 568
    MSC_VLR->>AGW: 570
    AGW->>MAP-GW: 572
    MAP-GW->>LDB: 574
    LDB->>CCE: 576
    CCE->>RAGW-SGSN: 578
    RAGW-SGSN->>MS: 580
    RAGW-SGSN->>CCE: 582
```

FIG. 5

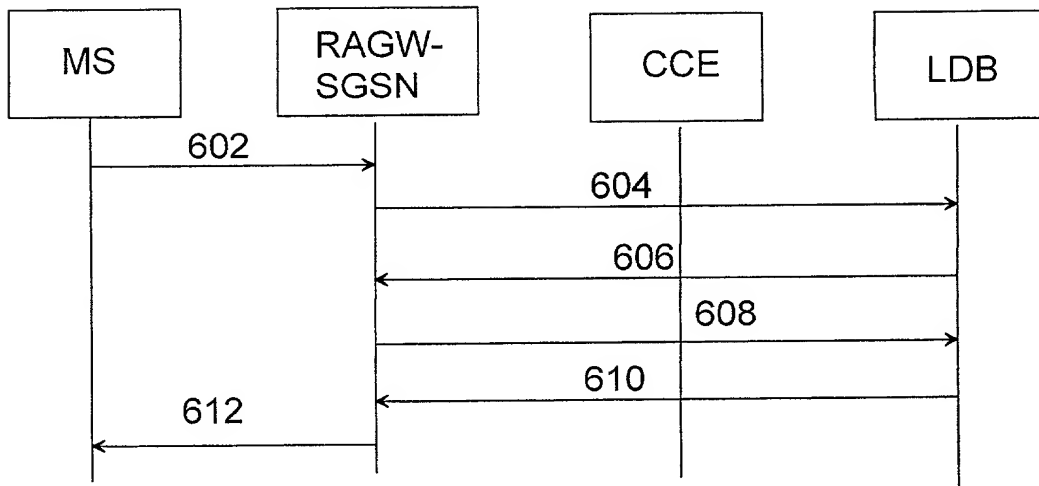


FIG. 6

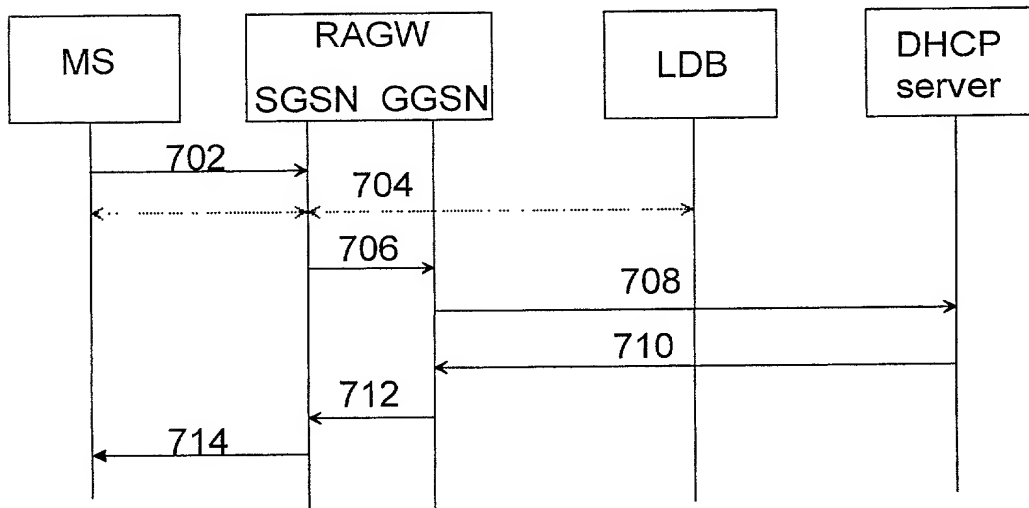


FIG. 7

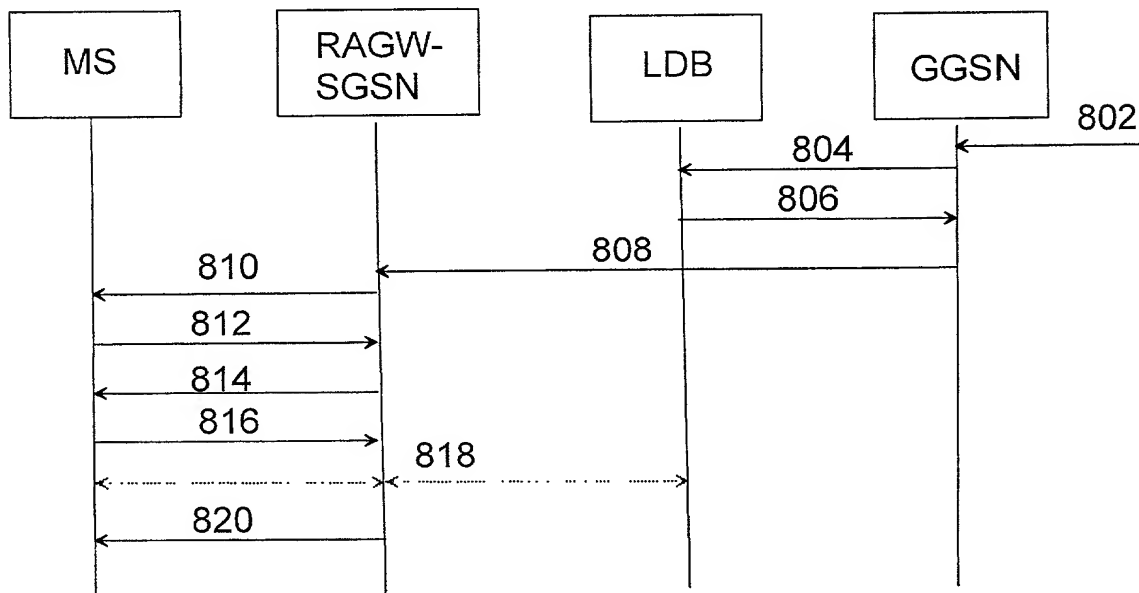


FIG. 8